

ABSTRACT

An integrated video distribution system for distributing video signals from a plurality of sources. The system includes a digitizer arrangement arranged to receive analog video signals from a plurality of video sources. The analog video signals are digitized in YCrCb video format and converted to streams of digital video data. The video data is multiplexed and transmitted on a digital video bus having a plurality of video channels. In one embodiment, the digitizers and video bus are integrated with a backplane arrangement that includes expansion slots for a plurality of terminal controllers. The expansion slots provide connections to the video bus. Each terminal controller mounted on the backplane arrangement can be coupled to a display terminal and an input device. The terminal controller selects one or more of the input streams of video data in response to control signals from the input device and converts the selected video data to an analog video signal for output to a display terminal.